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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet	1	of	3	Attorney Docket Number	AGYT-011CIP

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	U.S. Patent Documents		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
yp		5,593,839		Hubbell, et al.	01-14-1997
yp		5,807,522		Brown, et al.	09-15-1998
yp		5,942,399		Hillman, et al.	08-24-1999
yp		5,966,712		Sabatini, et al.	10-12-1999
yp		6,189,013		Maslyn et al.	02-2000
yp		6,023,659		Seilhamer, et al.	02-08-2000

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Foreign Patent Documents		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY
		Office ³	Number ⁴	Kind Code ⁵ (if known)	
yp			WO/9915626	Greenwald et al.	04-1999

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number, publisher, city and/or country where published			
yp	1	ANDRADE, et al. "Automatic extraction of keywords from scientific text: Application to the knowledge domain of protein families", <i>Bioinformatics</i> , (1998) Vol. 14(7): 600-60.			
yp		ANDRADE, et al. "Automated extraction of information in molecular biology", <i>FEBS</i> , (2000) Vol. 476: 12-17.			
yp		BECKER, et al. "A graph layout algorithm for drawing metabolic pathways", <i>Bioinformatics</i> , (2001) Vol. 17(5): 461-467.			
yp		BROWN, et al. "Knowledge-based analysis of microarray gene expression data by using support vector machines", <i>Proc. Natl. Acad. Sci. USA</i> , (2000) Vol. 97: 262-267.			
yp		EISEN, et al. "Cluster analysis and display of genome-wide expression patterns", <i>Proc. Natl. Acad. Sci. USA</i> , (1998) Vol. 95: 14863-14868.			
yp		FRIEDMAN, et al. "Genies: A natural-language processing system for the extraction of molecular pathways from journal articles", <i>Bioinformatics</i> , (2001) Vol. 17(Suppl. 1): S74-S82.			

Examiner Signature	<i>yp</i>	Date Considered	12-17-03
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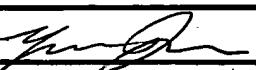
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/090,698
(use as many sheets as necessary)				Filing Date	March 4, 2002
Sheet	2	of	3	First Named Inventor	MURRAY et al.
				Group Art Unit	1637
				Examiner Name	
				Attorney Docket Number	AGYT-011CIP

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>yp</i>		FUKUDA, et al. "Toward information extraction: Identifying protein names from biological papers", <i>Proc. of the Pacific Symposium on Biocomputing</i> (1998): 707-719.	
<i>yp</i>		FUKUDA, et al. "Knowledge representation of signal transduction", <i>Bioinformatics</i> , (2001) Vol. 17(9): 829-837.	
<i>yp</i>		HUA et al., "Construction of a modular yeast two hybrid cDNA library from human EST clones for the human genome protein linkage map, " <i>Gene</i> , 1998, vol. 215, no. 1, pp. 143-152.	
<i>yp</i>	1	HISHIKI, et al. "Developing NLP tools for genome informatics: An information extraction perspective", <i>Genome Informatics</i> , (1998) Vol. 9: 81-90.	
<i>yp</i>		HUMPHREYS, et al. "Automatically extracting enzyme interaction and protein structure information from Biological Science journal articles", <i>Proc. of the Symposium on Artificial Intelligence in Bioinformatics of the 2000 Convention of the Society for the Study of Artificial Intelligence and the Simulation of Behaviour</i> , (2000) (AISB-00), Birmingham, UK: 17-20.	
<i>yp</i>		INGRAM et al., "Developing mouse models of aging: a consideration of strain differences in age-related behavioral and neural parameters," <i>Neurobiology of Aging</i> , 1999, vol. 20, no. 2, pp. 137-145.	
<i>yp</i>		KRAUTHAMMER, et al. "Using BLAST for identifying gene and protein names in journal articles", <i>Gene</i> , (2000) Vol. 259: 245-252.	
<i>yp</i>		MARCOTTE, et al. "Mining literature for protein-protein interactions", <i>Bioinformatics</i> , (2001) Vol. 17(4): 359-363.	
<i>yp</i>		MASYS, et al. "Use of keyword hierarchies to interpret gene expression patterns", <i>Bioinformatics</i> , (2001) Vol. 17(4): 319-326.	
<i>yp</i>	1	MROWKA. "A Java applet for visualizing protein-protein interaction", <i>Bioinformatics</i> , (2001) Vol. 17(7): 669-670.	
<i>yp</i>		NEVILL-MANNING, Craig G., "Highly Specific Protein Sequence Motifs for Genome Analysis", <i>Colloquium Paper, Prof. Natl. Acad. Sci. USA</i> , (1998), Vol. 95, pp. 5865-5871	
<i>yp</i>	1	NG, et al. "Toward routine automatic pathway discovery from on-line scientific text abstracts", <i>Genome Informatics</i> , (1999) Vol. 10: 104-112.	
<i>yp</i>		ONO, et al. "Automated extraction of information on protein-protein interactions from the biological literature", <i>Bioinformatics</i> , (2001) Vol. 17(2): 155-161.	

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				Filing Date	March 4, 2002
				First Named Inventor	MURRAY et al.
				Group Art Unit	1637
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	AGYT-011CIP

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	T ²
yp		PROUX, et al. "Detecting gene symbols and names in biological texts: A first step toward pertinent information extraction", <i>Genome Inf.</i> , Vol. 9: 72-80 (1988).	
yp		RAYCHAUDHURI, et al. "Basic microarray analysis: Grouping and feature reduction", <i>Trends in Biotechnology</i> , (2001) Vol. 19(5): 189-193.	
yp		RAYCHAUDHURI, et al. "Associating genes with gene ontology codes using a maximum entropy analysis of biomedical literature", <i>Genome Res.</i> (2002) Vol. 12: 203-214.	
yp		RINDFLESCH, et al. "Mining molecular binding terminology from biomedical text", <i>Proc. AMIA Symposium</i> , (1999): 127-131.	
yp		SALAMONSEN, et al. "BioJAKE: A tool for the creation, visualization, and manipulation of metabolic pathways", <i>Proc. of the Pacific Symposium on Biocomputing 1999</i> , (1999).	
yp		SEKIMIZU, et al. "Identifying the interaction between genes and gene products based on frequently seen verbs in Medline abstracts", <i>Genome Inf.</i> , (1998) Vol. 9: 62-71	
yp		SCHATZ. "Information retrieval in digital libraries: Bringing search to the net", <i>Science</i> , (1997) Vol. 275(5298): 327-334.	
yp		STEPHENS, et al. "Detecting gene relationships from Medline abstracts", <i>Proc. of the Pacific Symposium on Biocomputing</i> , (2001): 483-495.	
yp		TAMAYO, et al. "Interpreting patterns of gene expression with self-organizing maps: Methods and application to hematopoietic differentiation", <i>Proc. Natl. Acad. Sci. USA</i> , (1999) Vol. 96: 2907-2912.	
yp		THOMAS, et al. "Automatic extraction of protein interactions from scientific abstracts", <i>Proc. of the Pacific Symposium on Biocomputing</i> , (2000): 538-549.	
yp		WONG. "A protein interaction extraction system", <i>Proc. of the Pacific Symposium on Biocomputing 2001</i> , (2001): 1-11.	
yp		YOSHIDA, et al. "PNAD-CSS: A workbench for constructing a protein name abbreviation dictionary", <i>Bioinformatics</i> , (2000) Vol. 16(2): 169-175.	

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